

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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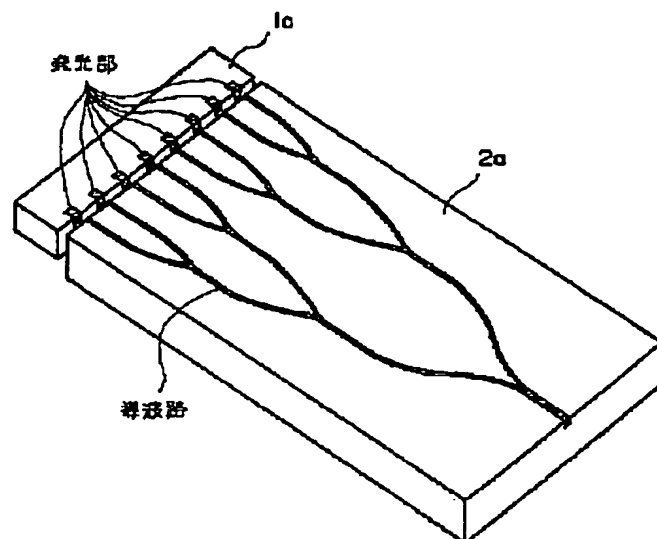
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APPLICATION NUMBER : 05343518

APPLICANT : NIPPON STEEL CORP;

INVENTOR : UEDA KENJI;

INT.CL. : G02B 6/122 G02B 6/42

TITLE : SEMICONDUCTOR LASER  
CONVERGING APPARATUS



ABSTRACT : PURPOSE: To effectively heighten the light emitting density from a laser having a plurality of light emitting sources or a plurality of semiconductor lasers having one light emitting source.

CONSTITUTION: Either a semiconductor laser 1a having a plurality of light emitting sources or a plurality of semiconductor lasers having one light emitting source is combined with a light wave guide in the way the light rays emitted from respective light emitting sources are optically combined with respective input ports of the light wave guide, wherein the light wave guide is so composed as to have the input ports in the same number as that of the light emitting sources in one end face and only one output port in the other end face to which all the emitted light rays are joined.

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